

Title (en)

DEVICE AND METHOD FOR MEASURING ELECTRICAL POTENTIALS OF A LIVING THING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR MESSUNG ELEKTRISCHER POTENTIALE EINES LEBEWESENS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MESURE DE POTENTIELS ÉLECTRIQUES D'UN ÊTRE VIVANT

Publication

**EP 2830493 A1 20150204 (DE)**

Application

**EP 13715638 A 20130327**

Priority

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- EP 2013056567 W 20130327

Abstract (en)

[origin: WO2013144229A1] A device for measuring electrical potentials of a living thing is described, with at least two electrodes for deriving electrical potentials, an isolation amplifier connected electrically to the electrodes, and a signal output connected electrically to the isolation amplifier, wherein the isolation amplifier and the signal output are designed such that the isolation amplifier amplifies the signal coming from the electrodes, and the amplified signal can be tapped at the signal output. Between the isolation amplifier and the signal output, at least one bandpass filter and at least one integrating element are connected, wherein the bandpass filter and the integrating element are designed such that, during the operation of the device, the bandpass filter allows through a predetermined frequency range of the signal, and the integrating element integrates the filtered signal, wherein the integrated signal can be tapped at the signal output, and wherein the bandpass filter, the integrating element and the signal output together form a frequency channel.

IPC 8 full level

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Citation (search report)

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